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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/750,302	12/30/2003	Chih-Ping Hsu	030221	1672
23696	7590 03/29/2006		EXAMINER	
QUALCOMM, INC			GESESSE, TILAHUN	
5775 MOREHOUSE DR. SAN DIEGO, CA 92121			ART UNIT	PAPER NUMBER
,			2618	

DATE MAILED: 03/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/750,302	HSU ET AL.			
		Examiner	Art Unit			
		Tilahun B. Gesessse	2684			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SH WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES and the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Poeriod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONED	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 30 De	ecember 2003.				
2a) <u></u>	This action is FINAL . 2b)⊠ This	action is non-final.				
3)	Since this application is in condition for allowan	nce except for formal matters, pro	secution as to the merits is			
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Dispositi	on of Claims					
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-25</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1-3,5-8,10-15 and 18-25</u> is/are rejecte Claim(s) <u>4,9,16 and 17</u> is/are objected to. Claim(s) are subject to restriction and/or	od.				
Applicati	on Papers					
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) access applicant may not request that any objection to the confidence of the declaration is objected to by the Examination is objected to be applicated to	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment						
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date L//S/OS	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3,5-8,10-15,18-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Koo et al. (US pat. 6,622,024).

2. Claim 1. Koo teaches a device in a wireless communication system (see figures 1 and 2, in which UE (20-24) and base stations 26-34) exchanging data blocks or frames), comprising:

Koo teaches a data processor (111 and 103) operative to process at least one data block, (see figure 1) received in a current update interval and on at least one transport channel among a plurality of transport channels, and to provide a status of each of the at least one data block (see column 4, lines 7-62 and figure 1 and 2) in which channels identified fading channels, as status of channel condition).

Koo teaches a controller (111 or 103) operative to adjust a single signal quality (SIR) target maintained for the plurality of transport channels based on status of the at least one data block received in the current update interval, (column 4, lines 7-62)

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Koo teaches the SIR target is adjusted by all data blocks received on all transport channels in the current update interval and is used for power control of data transmission on the plurality of transport channels (column 4, lines 7-62 and column 9, line 64-colum 10 line 34 and figure 9).

Claim 2. Koo teaches the controller (111) is operative to increase the SIR target based on an up step if any one of the at least one data block is an erased data block (channel is fading) and to decrease the SIR target based on a down step if all of the at least one data block are good data blocks (see figure 5).

Claim 3. Koo teaches each of the plurality of transport channels is associated with a respective down step size, and wherein the up step is a fixed value and the down step is set to a smallest down step size among down step sizes for transport channels with erased data blocks in the current update interval (see figure 5).

Claim 5, Koo teaches all limitations as explained above in claim 1. it is a system claims which correspond to system claim 1 above, therefore, it is analyzed and rejected for same reason as set forth in the claim.

Claim 6. Koo teaches all limitations as explained above in claim 1. it is a system claims which correspond to system claim 1 above, therefore, it is analyzed and rejected for same reason as set forth in the claim.

Claim 7, Koo teaches each of the at least one transport channel is associated with a respective block error rate target, and wherein the controller is operative to increase or decrease the SIR target to meet or exceed the BLER target for each of the at least one transport channel (see column 4,line 7-62 and figure 5).

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Claim 8. Koo teaches the controller is operative to increase the SIR target by an up step having an adjustable size and to decrease the SIR target by a down step having an adjustable size (column 4,line 7-62 and figure 5).

Claim 10. Koo teaches the controller is operative to increase the SIR target by an up step having a fixed size and to decrease the SIR target by a down step having an adjustable size (see column 4,line 7-62 and figure 5).

Claim 11, Koo teaches each of the plurality of transport channels is associated with a respective down step size selectable as the down step used to decrease the SIR target (see figure 5)

Claim 12. Koo teaches the controller is further operative to set the down step to a smallest down step size among down step sizes for transport channels with erased data blocks in the current update interval (see figure 5).

Claim 13. Koo teaches the down step size for each of the plurality of transport channels is determined based on a block error rate (BLER) target and at least one transport format selected for the transport channel (see figure 5).

Claim 14. Koo teaches the controller is further operative to saturate the SIR target to be within a predetermined range of values (column 4, lines 7-62).

Claims 15, Koo teaches set to a second value otherwise, the first value being larger than the second value and the up step is set to a first value if an erased block is received for a transport channel without an erased block in a prior update interval and set to a second value otherwise, the first value being larger than the second value (column 4, lines 7-62).

Claim 18. Koo teaches a transmit power control (TPC) processor operative to compare a received SIR for the data transmission against the SIR target and provide TPC commands used to adjust transmit power for the data transmission (see column 4, line 7-62).

Claim 19, Koo teaches the wireless communication system is a Code Division Multiple Access (CDMA) system (column 3, lines 9-11).

Claim 20, Koo teaches an apparatus in a wireless communication system (see figures 3A and 3B), comprising:

Koo teaches means for processing (111 and 103) at least one data block received in a current update interval and on at least one transport channel among a plurality of transport channels (see column 4, lines7-62 and figures 3A and 3B)

Koo teaches means for determining a status of each of the at least one data block received in the current update interval as a good data block or an erased data block (column 4, lines 7-62).

Koo teaches means for increasing a signal quality (SIR) target if any one of the at least one data block received in the current update interval is an erased data (column 4, lines7-62 and figures 4-5).

Koo teaches means for decreasing the SIR target if all of the at least one data block received in the current update interval are good data blocks, wherein the SIR Art Unit: 2618

target is used for power control of data transmission on the plurality of transport channels (see column 4, lines 7-62 and column 9, line 64-colukn 35).

Claim 21. Koo teaches a processor readable media for storing instructions operable in a wireless device (column 5, lines 26-35 and figures 3A and 3B, items #112,111).

Koo teaches process at least one data block received in a current update interval and on at least one transport channel among a plurality of transport channels (column 4, lines 7-62).

Koo teaches determine a status of each of the at least one data block received in the current update interval as a good data block or an erased data block(see column 4, lines 7-62) increase a signal quality (SIR) target if any one of the at least one data block received in the current update interval is an erased data block; and decrease the SIR target if all of the at least one data block received in the current update interval are good data blocks, wherein the SIR target is used for power control of data transmission on the plurality of transport channels (see column 4, lines 7-62 and column 9, line 64-colukn 35).

Claims 22 and 25 Koo teaches all limitations as explained above in claim 20. they are a method claims which correspond to apparatus claim 20 above, therefore, it is analyzed and rejected for same reason as set forth in the claim.

Claims 23-24, Koo teaches all limitations as explained above in claim 20. they are a system claims which correspond to system claim 20 above, therefore, it is analyzed and rejected for same reason as set forth in the claim.

Allowable Subject Matter

3. Claim 4, 9 and 16-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the up step is set to a first value if an erased block is received for a transport channel without an erased block in a prior update interval.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Soldani et al (WO 03/021976) teaches a value for the parameter of the selected uplink transport channel is computed in predetermined period of time based on the value of at least one available parameter associated to the dedicated physical channel, it is active in the respective period time (abstract and page 15 line 1-page 19 line 18).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flexible schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on 571-272-7899.

The Central FAX Number is 571-273-8300. For patent related

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correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TILAHUN GESESSE PRIMARY EXAMINER